

**ELECTRIC MOTOR HAVING NANOCRYSTALLINE ALLOY COMPONENT
FOR USE IN SURGICAL PROCEDURE**

ABSTRACT OF THE DISCLOSURE

[0052] An electric motor for use in a surgical procedure, including a motor output member, a driven member and a driving member. The driven member is coupled to the motor output member. The driving member includes a winding and a magnetic portion comprising a nanocrystalline alloy. The driving member, or at least the magnetic portion thereof, is disposed proximate the driven member such that energizing the driving member imparts motion to the driven member.